In the Specification:

Replace the paragraph beginning at page 6, line 4, with the following paragraph:

Referring also to Fig. 2, the cornea separator device 12 includes a ring 20 that sits on the eye 10 with its plane parallel to a limbus of the eye. The ring 20 includes an internal diameter 22 ranging from about 10 to about 12 mm and external diameter 24 from about 13 to about 16 mm and including a track or groove 26 (best seen in Fig. 15). The groove 26 is dimensioned wider than the internal diameter 22. A separator support 28 fits in the groove 26 to carry the separator 14 on a determined travel.

Replace the paragraph beginning at page 6, line 20, with the following paragraph:

Figs. 3 and 4 are diagrams showing a side and a top view, respectively, of the eye 10 and the separator 14 located in a second position with respect to the eye. As shown in FIGS. 3, 5 and 7, as the separator 14 travels to contact the eye 10, the corneal surface 18 is flattened. Such flattening is performed by an engagement surface that is spaced from the drum 42. The flattening is performed prior to a portion of the epithelial layer being separated from the cornea. To accommodate the travel of the separator 14, the separator support 28 freely slides in the groove 26, for example, when driven by the oscillation device 30.

Replace the paragraph beginning at page 7, line 18, with the following paragraph:

Fig. 14 is a diagram showing a side view of the eye 10 and the cornea separator device 12 including rotating drum 42. To rotate the drum 42, the cornea separator device 12 may include a rotating gear or member 44. The gear 44 could also be used to provide movement to the separator support 28. Referring also to Fig. 15 and 16, front and top views, respectively, of the cornea separator device 12, the rotating gears or members 44 could be bilaterally placed on the separator support 28 and coupled to the drum 42 as shown in FIG. 15. In

this embodiment, the rotating gears 44 engage a portion or track of the seating 20 so that when the gears 44 are rotated by axles about a common axis, friction between the gears and the seating cause the gears and the coupled drum 42 and the separator support 28 to translate relative to the seating 20. Accordingly, the separator 14 is translated as well. The rotation of the gears also causes the drum 42 to rotate. The oscillating device 30 can provide for rotation of the gears 44 and the gears 44 can travel on rails, for example toothed rails, which run parallel to the groove 26.